

Cytometer Performance Report

Cytometer: FACSCantoII
 Cytometer Name: FACSCantoII
 Serial Number: V33896201821
 Input Device: Manual
 Cytometer Configuration: Euroflow 3-laser, 8-color (4-2-2)

User: Administrator
 Institution: N/A
 Software: BD FACSDiva 6.1.3
 Date: 06/06/2017 12:29 PM
 Cytometer Baseline: 04/21/2017 12:22 PM
 P/F: Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
 Lot ID: 25720, Expiration Date: 06/30/2017
 Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124610	-1	2.68	124446	2.70
Blue	F	SSC	125000	122903	-2	3.42	123285	3.27
Blue	E	FITC	23355	22481	-4	2.61	1004	10.35
Blue	D	PE	28848	28503	-2	2.14	1025	9.76
Blue	B	PerCP-Cy5-5	47791	46552	-3	3.57	1339	16.85
Blue	A	PE-Cy7	41358	40841	-2	5.20	635	35.21
Red	C	APC	51316	50450	-2	2.79	2903	9.31
Red	A	APC-Cy7	53225	52544	-2	2.78	1093	10.86
Violet	B	V450	14473	13914	-4	3.69	673	9.10
Violet	A	V500	59973	58673	-3	3.40	2614	6.40

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	16921	7.45	605	7	N/A	N/A	Pass
Blue	F	SSC	60659	1.72	539	5	N/A	N/A	Pass
Blue	E	FITC	115	39.20	542	-2	0.0206	197	Pass
Blue	D	PE	226	28.61	538	0	0.1621	238	Pass
Blue	B	PerCP-Cy5-5	209	45.04	627	-3	0.0102	106	Pass
Blue	A	PE-Cy7	71	115.31	678	-3	0.0120	14	Pass
Red	C	APC	340	27.83	589	-5	0.0214	120	Pass
Red	A	APC-Cy7	119	40.30	569	-7	0.0061	1992	Pass
Violet	B	V450	81	42.15	478	7	0.0405	1603	Pass
Violet	A	V500	190	22.24	510	9	0.0129	100	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
 Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
 Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
 Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.05	-31.45	0.80
Blue	20.35	16.27 - 24.41	1.27	0.99 - 1.49	0.00	0.00	1.32
Red	18.98	13.27 - 19.91	N/A	N/A	31.48	32.09	1.16

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 9530

Fluidics

FACSFlow Pressure: 3.90
Spec.: 3.80 - 4.00
Sample Pressure: 3.70

Comments